

# RECLAMATION

*Managing Water in the West*

**MID-PACIFIC CONSTRUCTION OFFICE**  
Willows, California

## **Construction Progress Report L-29**



U.S. Department of the Interior  
Bureau of Reclamation  
Mid-Pacific Region  
Mid-Pacific Construction Office

May 2016

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# CONSTRUCTION PROGRESS REPORT (L-29)

## MID-PACIFIC CONSTRUCTION OFFICE

### MID-PACIFIC REGION

### MAY 2016

## CONTENTS

	PAGE	
LOCATION MAP.....	i	
STAFFING.....	ii	
GLOSSARY OF TERMS.....	iii	
<b>CONTRACT/SPECS OR P.O. NO., CONTRACTOR, AND CONTRACT NAME_</b>	<b>PAGE</b>	<b>MAP</b>
	<b><u>NO.</u></b>	<b><u>NO.</u></b>
<b>CCAO</b>	<b>1</b>	
R10PC20019    20-C0689    Andritz Hydro Corp. Folsom Power Plant Generators U1, U2, and U3 Rewind and Excitation System Replacement – Folsom Unit, American River Division, Central Valley Project, California	3	1
R14PC00096    20-C0816    Alltech Engineering Corp. Nimbus Dam Radial Gate Repairs Phase III - Nimbus Dam, American River Division, Central Valley Project, California	4	1
R13PC20159    20-C0819    GD Nielson Construction, Inc. Lake Berryessa Concessions Area Improvements - Lake Berryessa, Solano Project, California	6	2
R15PC00132    20-C0845    Woodward Drilling Company Lake Berryessa Putah Canyon Drinking Water Well - Lake Berryessa, Solano Project, California	7	2
GS-07F-0611F    None    Design Space Modular Modular Office Building - Folsom Dam Resources Building Replacement, Folsom Unit, American River Division, Central Valley Project, California	8	1
<b>KBAO</b>	<b>9</b>	
R15PC00080    20-C0836    Andrews Contracting Services, LLC Klamath Basin Area Office Sewer Lift Station - Klamath Basin Area Office, Oregon	11	3

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<b>LBAO</b>	<b>13</b>	
<b>NCAO</b>	<b>17</b>	
R15PC00041    20-C0827    Gardner Zemke Company Keswick Powerplant Main Bus Replacement – Shasta Division Central Valley Project, California	19	4
R15PC00089    20-C0831    Contractor Services Group, Inc. Intake 3 Screen Extension, Coleman National Fish Hatchery, California	20	5
R10PC20025    None    Tehama Environmental Solutions, Inc. Coleman Fish Hatchery Water Intakes Vegetation Replacement and Monitoring – Shasta Division, Central Valley Project, California	23	5
R11PC20235    None    Tehama Environmental Solutions, Inc. Red Bluff Diversion Dam, Fish Passage Improvement Project Terrestrial Mitigation – Sacramento Division, Central Valley Project, California	24	6
<b>SCCAO</b>	<b>25</b>	
R11PC20185    20-C0778    Contra Costa Electric, Inc. Tracy 13.8kV Switchgear/Breaker Replacement – Tracy Pumping Plant and Substation, Delta Division, Central Valley Project, California	27	7
R13PC20508    20-C0788    Slayden Construction Group, Inc. San Luis Demonstration Treatment Plant – San Luis Unit, West Stanislaus Division, Central Valley Project, California	29	8
<b>Regional</b>	<b>33</b>	

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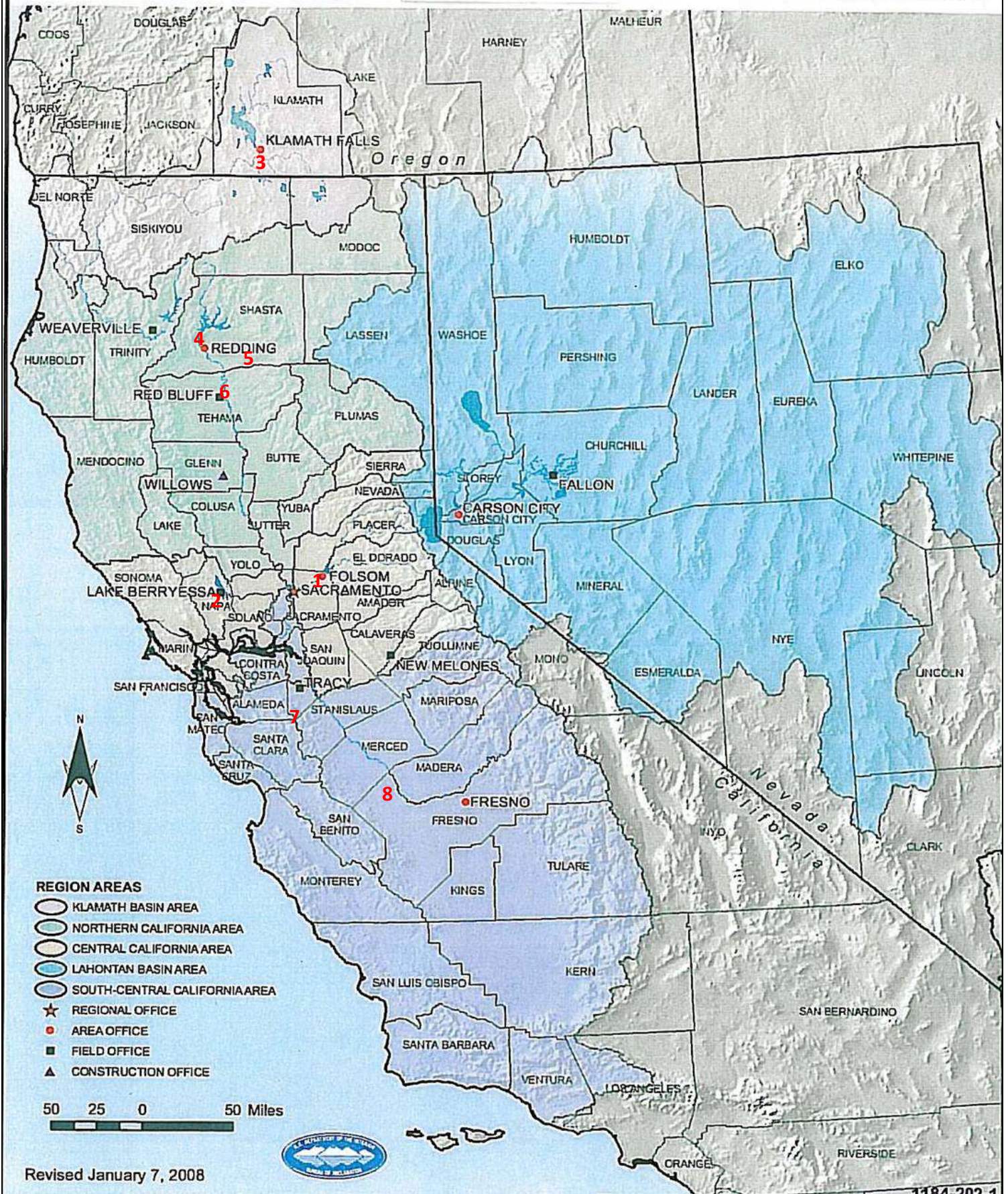
<b>Contracts in Warranty Status</b>	<b>37</b>
R09PC20R03     20-C0677 Transformer K1A and K2A Replacements, Folsom Power Plant	39
R10PC20767     20-C0703 Folsom Power Plant U1, U2, and U3 Replacement Runners	39
R14PC00083     20-C0823 Marble Bluff Dam, Asphalt Pavement Rehabilitation	39
R14PC20096     20-C0816 P&H Building Temporary Retrofit, Tracy Fish Collecting Facility	39
R15PC00337     20-C0842 Marble Bluff Dam Spillway Repair, Washoe Project, Nevada	39
R13PC20088     20-C0808 Prosser Creek Dam Refurbish High-Pressure Gate Seats and Regulating Gates – Stampede Division, Washoe Project, California	39
R15PC00090     20-C0840 Nimbus Fish Hatchery 16-inch Pipeline Replacement – American River Division, Central Valley Project, California	39
R15PC00064     20-C0830 New Melones Lift Station Repairs – East Side Division, Central Valley Project, California	39
R15PC00102     20-C0839 Keswick Fish Trap Brail Replacement, Keswick Dam, California	40
R13PC20172     No. 20-C0817 JF Carr, Spring Creek, and Trinity Powerplant Pavement Rehabilitation, Trinity River Division, Central Valley Project, California	40
R10PC20102     20-C0755 Spring Creek Powerplant Generators G1 and G2 Rewind – Trinity River Division, Central Valley Project, California	40
R13PC20092     20-C0807 Mormon Dam Auxiliary Dam Overlay – Safety of Dams Modification, Folsom Unit, American River Division, Central Valley Project, California	40
R14PC00125     None Folsom Temporary Pump Station – Folsom Unit, American River Division, Central Valley Project, California	40
R15PC00050     20-CO829 Safety and Facility Access Improvements - Hydropower Facility Modifications – Battle Creek Salmon and Steelhead Restoration Project, California	40

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# Mid-Pacific Region

**RECLAMATION**  
Managing Water in the West



Mid-Pacific Region Area Map  
Areas Where Work is Performed



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# **STAFFING - MID PACIFIC CONSTRUCTION OFFICE**

The Mid-Pacific Construction Office had 38 construction and administrative employees at the close of this month as follows:

Construction Engineer's Office	2
Preaward and Project Management Group	3
Administrative Management	6
Division of Field Engineering	18
Division of Office Engineering	5
Materials Lab Branch	4

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# **GLOSSARY OF ACRONYMS AND ABBREVIATIONS**

<b>ACRONYM</b>	<b>MEANING</b>
CCAO	Central California Area Office
CVP	Central Valley Project
KBAO	Klamath Basin Area Office
LBAO	Lahontan Basin Area Office
MP	Mid-Pacific Regional Office
MPCO	Mid-Pacific Construction Office
NCAO	Northern California Area Office
SCCAO	South Central California Area Office
TO	Tracy Office

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# **Central California Area Office**

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**Contract No. R10PC20019**  
**Specification No. 20-C0689**  
**Folsom Power Plant Generators U1, U2, and U3 Rewind and**  
**Excitation System Replacement - Folsom Unit, American River**  
**Division, Central Valley Project, California**  
**Andritz Hydro Corp., Charlotte, NC**

Work Performed	May	1.5%
	Time Elapsed	100%
	Work Completed	97.4%
Contractor Earnings	May	\$301,972.78
	Previous	\$19,877,683.69
	Total to Date	\$20,179,656.47

**Area Office Project Management**

Project Manager: Jesse Castro, CC-607

**Office Engineering**

Contract Administrator: Larry Bowman, MPCO-240

Invoice Number 18 was received this reporting period in the amount of \$301,972.78 for work performed from October 1, 2015 to March 31, 2016.

**Field Engineering**

Construction Manager: Reynaldo Garcia, MPCO-310

Construction Representative: Todd Dooley, MPCO-314.

Number of Contractor Employees: 0

**Work Performed:**

No onsite work was performed during this period.

**Contract No. R14PC00096**  
**Specification No. 20-C0816**  
**Nimbus Dam Radial Gate Repairs Phase III – Nimbus Dam,**  
**American River Division, Central Valley Project, California**  
**Alltech Engineering Corp, Mendota Heights, MN**

Work Performed	May	3.8%
	Time Elapsed	52.9%
	Work Completed	48.9%
Contractor Earnings	May	\$428,526.43
	Previous	\$5,040,981.94
	Total to Date	\$5,469,508.37

**Area Office Project Management**

Project Manager: Jeffery Croshal, CC-611

**Office Engineering**

Contract Administrator: Larry Bowman, MPCO-240

Invoice Number 11 in the amount of \$428,526.43 was received on May 5, 2016 and was for work performed from April 1, 2016 to April 30, 2016.

**Field Engineering**

Construction Manager: Reynaldo Garcia, MPCO-310

Construction Representative: Todd Dooley, MPCO-314

Number of Contractor Employees: 9

**Work Performed**

**Gate No. 12**

A dive team assisted in seating and sealing the bulkhead on the upstream side of the gate. The gate chamber was dewatered and pier braces were installed. The electric water pump and pump frame was placed inside of the gate chamber. The existing side and bottom seal clamp bars were removed. After taking spacing and shim thickness measurements, the gate shoes were removed.

The gate lifting link assemblies were removed. The gate lifting eye bushings were pushed out and the bracket eyes were honed, cleaned, and measured. The wire ropes were also removed from the gate.

The gate was lifted with the temporary link assemblies and lowered onto the temporary gate supports. The supports were anchored to the weir using wedge anchor bolts.

Third-tier subcontractor Platinum Scaffolding delivered, staged, and installed the scaffolding; securing each scaffolding leg to the concrete spillway with wedge anchors.

New side and bottom seal clamp bars were fabricated. The new rubber seal was then marked and bolt holes were drilled in conjunction with those on the clamp bars. The two new Government-furnished wire ropes were installed.

The containment wrap was installed, surrounding the scaffolding within the Gate 12 spillway bay. An entrance and changing room was constructed and covered with the shrink wrap, building a sealable doorway into the containment area. Air filter intakes were installed along with exhaust tubing.

The first day of abrasive blasting was performed and samples were sent to an independent laboratory which verified that the Blastox was performing correctly and the spent material was, in fact, nonhazardous.

A soluble salt test was performed in accordance with the contract specifications. The test readings were negative for any traces of nitrates, sulfates, and chlorides. Workers resumed the abrasive blasting work.

**Contract No. R13PC20159**  
**Specification No. 20-C0819**  
**Lake Berryessa Concessions Area Improvements - Lake**  
**Berryessa, Solano Project, California**  
**G.D. Nielson Construction, Inc., Napa, CA**

Work Performed	May	0.0%
	Time Elapsed	100%
	Work Completed	0.0%
Contractor Earnings	May	\$0.00
	Previous	\$663,018.34
	Total to Date	\$663,018.34

**Area Office Project Management**

Project Manager: Peter Funkhouser, CC-440

**Office Engineering**

Contract Manager: Larry Bowman, MPCO-240

No invoice was received during this reporting period.

**Field Engineering**

Construction Manager: Reynaldo Garcia, MPCO-310

Construction Representative: Bill Linder, MPCO-312

Number of Contractor Employees: 0

**Work Performed**

No onsite work was performed during this period. Work has been suspended until further notice.

**Contract No. R15PC00132**  
**Specification No. 20-C0845**  
**Lake Berryessa Putah Canyon Drinking Water Well, Lake**  
**Berryessa, Solano Project, California**  
**Woodward Drilling Company, Rio Vista, CA**

Work Performed	May	0.0%
	Time Elapsed	20.4%
	Work Completed	0.0%
Contractor Earnings	May	\$0.00
	Previous	\$94,206.77
	Total to Date	\$94,206.77

**Area Office Project Management**

Project Manager: Peter Funkhouser, CC-440

**Office Engineering**

Contract Administrator: Larry Bowman, MPCO-240

No invoice was received during this reporting period.

The contract was suspended on November 23, 2015.

Modification Number 3 was issued during this period and added 302 days to the contract as well as increased the funding by \$150,000.00. The suspension of the work dated November 23, 2015 was also lifted by this modification.

**Field Engineering**

Construction Manager: Reynaldo Garcia, MPCO-310

Construction Representative: Bill Linder, MPCO-312

Number of Contractor Employees: 0

**Work Performed**

No onsite work was performed during this period.

**Contract No. R15PD00728**  
**Order No. GS-07F-0611F**  
**Modular Office Building - Folsom Dam Resources Building**  
**Replacement, Folsom Unit, American River Division, Central**  
**Valley Project, California**  
**Design Space Modular Buildings, Dixon, CA**

Work Performed	May	0.0%
	Time Elapsed	100%
	Work Completed	0.0%
Contractor Earnings	May	\$0.00
	Previous	\$0.00
	Total to Date	\$0.00

**Area Office Project Management**

Project Manager: David Nguyen, CCAO-FOO

**Office Engineering**

Contract Administrator: Larry Bowman, MPCO-240

This contract was awarded on July 17, 2015 in the amount of \$711,548.00.

No invoice was received this reporting period.

Modification No. 001 was executed this month extending the contract completion date to April 5, 2016, which has added 44 days to the contract.

**Field Engineering**

Construction Manager: Reynaldo Garcia, MPCO-310

Construction Representative: Benjamin Richburg, MPCO-318

Number of Contractor Employees: 4

**Work Performed**

The transformer was delivered to the jobsite on May 27, 2016. The Central California Area Office will set it on the pad during the next period. Western Area Power Authority will connect the electrical after the transformer has been installed.

# **Klamath Basin Area Office**

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**Contract No. R15PC00080**  
**Specification No. 20-C0836**  
**Klamath Basin Area Office Sewer Lift Station, Klamath Falls,**  
**Oregon**  
**Andrews Contracting Services, LLC, Vancouver, WA**

Work Performed	May	0.0%
	Time Elapsed	86%
	Work Completed	12%
Contractor Earnings	May	\$0.00
	Previous	\$84,240.06
	Total to Date	\$84,240.06

**Area Office Project Management**

Project Manager: John Menniti, MPCO-110

**Office Engineering**

Contract Manager: Kent Perkes, MPCO-225

**Field Engineering**

Construction Manager: Brian Wagner, MPCO-300

Construction Representative: Russell Davies, MPCO-341

Number of Contractor Employees: 0

**Work Performed**

No onsite work was performed during this period

**Coordination Meetings**

Weekly coordination meetings with USBR and contractor staff occur every Thursday at 2:00 PM.

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# **Lahontan Basin Area Office**

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**There were no active contracts in this area during this period.**

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# **Northern California Area Office**

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**Contract No. R15PC00041**  
**Specification No. 20-C0827**  
**Keswick Powerplant Main Bus Replacement - Shasta Division,**  
**Central Valley Project, California**  
**Gardner Zemke Company, Albuquerque, NM**

Work Performed	May	6.5%
	Time Elapsed	92.7%
	Work Completed	93.8%

Contractor Earnings	May	\$136,783.11
	Previous	\$1,845,240.97
	Total to Date	\$1,982,024.08

**Area Office Project Management**

Project Manager: Jeff Gifford, NC-620

**Office Engineering**

Contract Manager: Kevin Jacobs, MPCO-214

Invoice Number 6, in the amount of \$136,783.11 was received during this period for work performed in April of 2016.

**Field Engineering**

Construction Manager: Brian Wagner, MPCO-300

Construction Representative: Stephen Holmes, MPCO-320

Number of Contractor Employees: 5

**Work Performed**

The Contractor performed lead testing. The Contractor also performed demolition of existing equipment, painted transformers and take-off structures, and installed the new bus.

**Contract No. R15PC00089**  
**Specification No. 20-C0831**  
**Intake 3 Screen Extension, Coleman National Fish Hatchery,**  
**California**  
**Contractor Services Group, Inc., West Sacramento, CA**

Work Performed	May	0.0%
	Time Elapsed	52%
	Work Completed	0.0%
Contractor Earnings	May	\$0.00
	Previous	\$0.00
	Total to Date	\$0.00

**Area Office Project Management**

Project Manager: Hank Harrington, NC-210

**Office Engineering**

Contract Manager: Kent Perkes, MPCO-225

**Field Engineering**

Construction Manager: Brian Wagner, MPCO-300

Construction Representative: Fernando Pavone, MPCO-333

Number of Contractor Employees: 6

**Work Activities**

During this period, the Contractor Services Group crew, with the assistance of subcontractor A-1 Crane, worked on the installation of the casings for the two Submersible Vertical Pumps. The crew installed the anchor bolts, brackets, bolts and nuts.

After completing the installation of the casing, the crew removed the scissor lift, sump pump and sand bags from the inside of the Pressure Reducing Station. The pressure reducing station was cleaned.



**Coleman National Fish Hatchery - Intake 3 Screen Extension**  
**A view of the 1" diameter stainless steel rods that were installed**



**Coleman National Fish Hatchery - Intake 3 Screen Extension  
Contractor Service Group crew members installing the brackets for the new  
submersible vertical pump casings**

**Contract No. R10PC20025**

**Specification No. None**

**Coleman Fish Hatchery Water Intakes Vegetation Replacement  
and Monitoring - Shasta Division, Central Valley Project,  
California**

**Tehama Environmental Solutions, Inc., Red Bluff, CA**

Work Performed	May	0.0%
	Time Elapsed	98.9%
	Work Completed	92.9%
Contractor Earnings	May	\$0.00
	Previous	\$807,624.65
	Total to Date	\$807,624.65

**Area Office Project Management**

Project Manager: Hank Harrington, NC-210

**Office Engineering**

Contract Manager: Kevin Jacobs, MPCO-214

No invoice was received during this period.

**Field Engineering**

Construction Manager: Brian Wagner, MPCO-300

Construction Representative: Fernando Pavone, MPCO-333

Number of Contractor Employees: 0

**Work performed**

The Contractor's current activity consists of maintaining and monitoring vegetation it planted in 2010.

No onsite work was performed during this period.

**Contract No. R11PC2023S**  
**Specification No. None**  
**Red Bluff Diversion Dam, Fish Passage Improvement Project**  
**Terrestrial Mitigation - Sacramento River Division, Central Valley**  
**Project, California**  
**Tehama Environmental Solutions, Inc., Red Bluff, California**

Work Performed	May	0.0%
	Time Elapsed	72.1%
	Work Completed	97.8%
Contractor Earnings	May	\$0.00
	Previous	\$4,753,929.37
	Total to Date	\$4,753,929.37

**Area Office Project Management**

Project Manager: Hank Harrington, NC-210

**Office Engineering**

Contract Manager: Kevin Jacobs, MPCO-214

No invoice was received during this period.

**Field Engineering**

Construction Manager: Brian Wagner, MPCO-300

Construction Representative: Fernando Pavone, MPCO-333

Number of Contractor Employees: 0

**Work performed**

The Contractor's current activity consists of maintaining and monitoring vegetation it planted in 2011.

# **South Central California Area Office**

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**Contract No. R11PC20185**  
**Specification No. 20-C0778**  
**Tracy 13.8kV Switchgear/Breaker Replacement – Tracy Pumping Plant and Substation - Delta Division, Central Valley Project, California**  
**Contra Costa Electric Corp., Martinez, CA**

Work Performed	May	0.0%
	Time Elapsed	100.0%
	Work Completed	92.5%
Contractor Earnings	May	\$0.00
	Previous	\$12,558,883.01
	Total to Date	\$12,558,883.01

**Area Office Project Management**

Project Manager: William Dutton, TO-435

**Office Engineering**

Contract Manager: Amber Pierce, MPCO-205

No invoice was received during this reporting period.

**Field Engineering**

Field Engineer: Steve Holmes

Construction Control Representative: David B. Derk

Number of Contractor employees this month: 5

**Work performed**

The contractor completed all the analog wiring and digital wiring inside the control room for the four installed Digital Fault Recorders (DFR), and is waiting delivery of the SEL I/O equipment. They also completed all of the analog wiring in all four buildings and the digital wiring in three of the buildings (UZ11A, UZ8A, and UZ6A) under individual building outages. During the last week of the month, the analog inputs from all four buildings to the respective DFRs were tested, all working and reading correctly in the DFR. The contractor also set the trigger point settings in all four DFRs that were installed.



**Tracy 13.8kV Switchgear/Break Replacement**  
**The Testing equipment used by San Luis and Delta Mendota Water Authority electricians to inject current into the DFR from each breaker.**

**Contract No. R13PC20508**  
**Specification No. 20-C0788**  
**San Luis Demonstration Treatment Plant - San Luis Unit, West**  
**San Joaquin Division, Central Valley Project, California**  
**Slayden Construction Group, Inc., Stayton, OR**

Work Performed	May	0.0%
	Time Elapsed	93.2%
	Work Completed	92.9%
Contractor Earnings	May	\$0.00
	Previous	\$24,036,380.67
	Total to Date	\$24,036,380.67

**Area Office Project Management**

Project Manager: Sheryl Carter, SCC-105

**Office Engineering**

Contract Administrator: Casandra Arthur, MPCO-111

No invoice was received during this period.

**Field Engineering**

Onsite Government Representative: Casey Arthur, MPCO-111

Contract Control Representative: Sean Hill, MPCO-328

Number of Contractor Employees: 6

**Work performed**

Onsite construction work for Unilateral Modifications 0013 and 0016 continued.

The Slayden Construction Group onsite carpenter continued minor pumping activities and assisting Water Dynamics with process system restart activities as necessary.

The General Electric Water and Power Field Service Representatives (FSRs) continued process system operations. The Advanced Biological Metals Removal (ABMet), Plate Settler, Ultra-Filtration (UF), and Sea Water Reverse Osmosis all continued operations this month.

Backwashing, degassing, and cleaning schedules for all systems were optimized to ensure smooth operations.

Water Dynamics operators continued to assist the General Electric FSRs with startup and operational activities. Water samples of ABMet effluent are being tested for selenium, nitrate, hardness and turbidity. Oxidization-Reduction Potential and pH measurements are being recorded daily.



**San Luis Demonstration Treatment Plant**  
**Photo of Ultra-Filtration (UF) System with the newly installed hydrogen sulfide (H<sub>2</sub>S) monitored installed**



**San Luis Demonstration Treatment Plant**  
**Photo of newly installed pressure indicating transmitter on the discharge of the ABMet Effluent Tank to monitor the liquid level in the tank**



**San Luis Demonstration Treatment Plant**  
**The newly installed air release valves at the reverse osmosis systems to aid in operations**

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# **Mid-Pacific Regional Office**

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**There are currently no contracts in this area.**

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# **Contracts in Warranty Status**

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**R09PC20R03 20-C0677 Transformer K1A and K2A Replacements, Folsom Power Plant:** There was no Office Engineering Administrative activity this period. The 5-year warranty for K1A extended to January 30, 2016, and that for K2A extends to January 4, 2017.

**R10PC20767 20-C0703 Folsom Power Plant U1, U2, and U3 Replacement Runners:** There was no Office Engineering Administrative activity during this period. The 2-year warranty period began January 28, 2015, and will end January 27, 2017

**R14PC00083 20-C0823 Marble Bluff Dam, Asphalt Pavement Rehabilitation:** There was no Office Engineering Administrative activity during this period. The 1-year warranty period began May 28, 2015, and will end May 27, 2016.

**R14PC20096 20-C0816 P&H Building Temporary Retrofit, Tracy Fish Collecting Facility:** There was no Office Engineering Administrative activity during this period. The 1-year warranty period began August 4, 2015 and will end August 5, 2016.

**R15PC00337 20-C0842 Marble Bluff Dam Spillway Repair, Washoe Project, Nevada:** There was no Office Engineering Administrative activity during this period. The 1-year warranty period began on October 1, 2015, and will end September 30, 2016.

**R13PC20088 20-C0808 Prosser Creek Dam Refurbish High-Pressure Gate Seats and Regulating Gates, Stampede Division, Washoe Project, California;** There was no Office Engineering Administrative activity during this period. The 1-year warranty period began on November 7, 2015, and will end November 6, 2016.

**R15PC00090 20-C0840 Nimbus Fish Hatchery 16-inch Pipeline Replacement, Central Valley Project, California:** There was no Office Engineering Administrative activity during this period. The 1-year warranty period began on October 22, 2015, and will end on October 21, 2016.

**R15PC00064 20-C0830 New Melones Lift Station Repairs – East Side Division, Central Valley Project, California:** There was no Office Engineering Administrative activity during this period. The 1-year warranty period began on October 23, 2015, and will end on October 22, 2016

**R15PC00102 20-C0839 Keswick Fish Trap Brail Replacement, Keswick Dam, California** Required submittals and As-built Drawings were processed this reporting period by Office Engineering. The 1-year warranty period began on December 21, 2015 and will end on December 20, 2016.

**R13PC20172 20-C0817 JF Carr, Spring Creek, and Trinity Powerplant Pavement Rehabilitation – Trinity River Division, Central Valley Project, California** There was no Office Engineering Administrative activity during this period. The 1-year warranty period began on October 22, 2015 and will end on October 21, 2016.

**R10PC2010 20-C0755 Spring Creek Powerplant Generators G1 and G2 Rewind – Trinity River Division, Central Valley Project, California** There was no Office Engineering Administrative activity during this period. The 3-year warranty period began on October 1, 2015 and will end on September 30, 2018.

**R13PC20092 20-C0807 Mormon Island Auxiliary Dam Overlay, Safety of Dams Modification - Folsom Unit, American River Division, Central Valley Project, California** Office Engineering processed Invoice Number 28, it was received this reporting period in the amount of \$1,187,315.75 for work performed from December 2015 to April 2016. The 1-year warranty period began on October 28, 2015 and will end on October 27, 2016.

**R14PC00125 None Folsom Temporary Pump Station – American River Division, Central Valley Project, California** There was no Office Engineering Administrative activity during this period. The 1-year warranty period began on October 2, 2015 and will end on October 1, 2016

**R15PC00050 20-CO829 Safety and Facility Access Improvements - Hydropower Facility Modifications - Battle Creek Salmon and Steelhead Restoration Project, California** There was a Variation in Estimated Quantities Analysis (VEQ) being reviewed during this period. The 1-year warranty period began on January 26, 2016 and will end on January 25, 2017.